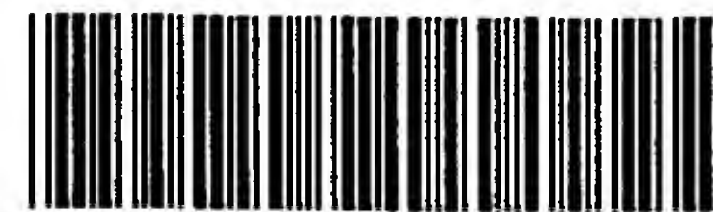


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/ 576, 527  
Source: IFWP  
Date Processed by STIC: 5-1-06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/576,527

DATE: 05/01/2006

TIME: 10:50:40

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

3 <110> APPLICANT: Kalled, Susan  
 4 Rao, Sambasiva  
 6 <120> TITLE OF INVENTION: THERAPEUTIC REGIMENS FOR BAFF ANTAGONISTS  
 8 <130> FILE REFERENCE: 08201.0042-00000  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,527  
 C--> 10 <141> CURRENT FILING DATE: 2006-04-19  
 10 <150> PRIOR APPLICATION NUMBER: 60/512,880  
 11 <151> PRIOR FILING DATE: 2003-10-20  
 13 <160> NUMBER OF SEQ ID NOS: 6  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 186  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Homo sapiens  
 22 <220> FEATURE:  
 23 <221> NAME/KEY: MISC\_FEATURE  
 24 <222> LOCATION: (1)..(1)  
 25 <223> OTHER INFORMATION: None, or any amino acid  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: MISC\_FEATURE  
 30 <222> LOCATION: (2)..(2)  
 31 <223> OTHER INFORMATION: Methionine, none, or any amino acid  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: MISC\_FEATURE  
 36 <222> LOCATION: (21)..(21)  
 37 <223> OTHER INFORMATION: valine (wild type), asparagine, or another amino acid  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: MISC\_FEATURE  
 42 <222> LOCATION: (28)..(28)  
 43 <223> OTHER INFORMATION: lysine (wild type), proline, or another amino acid  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: MISC\_FEATURE  
 48 <222> LOCATION: (47)..(47)  
 49 <223> OTHER INFORMATION: None, any amino acid, or alanine  
 52 <400> SEQUENCE: 1  
 W--> 54 Xaa Xaa Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg Asp Ala Pro Ala  
 55 1 5 10 15  
 W--> 58 Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa Leu Val Arg His  
 59 20 25 30  
 W--> 62 Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro Lys Pro Xaa Ala  
 63 35 40 45  
 66 Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln Pro Gln Glu Ser  
 67 50 55 60

## RAW SEQUENCE LISTING

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:40

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

```

70 Val Gly Ala Gly Ala Gly Glu Ala Ala Leu Pro Leu Pro Gly Leu Leu
71 65                      70                      75                      80
74 Phe Gly Ala Pro Ala Leu Leu Gly Leu Ala Leu Val Leu Ala Leu Val
75                      85                      90                      95
78 Leu Val Gly Leu Val Ser Trp Arg Arg Arg Gln Arg Arg Leu Arg Gly
79                      100                     105                     110
82 Ala Ser Ser Ala Glu Ala Pro Asp Gly Asp Lys Asp Ala Pro Glu Pro
83                      115                     120                     125
86 Leu Asp Lys Val Ile Ile Leu Ser Pro Gly Ile Ser Asp Ala Thr Ala
87                      130                     135                     140
90 Pro Ala Trp Pro Pro Pro Gly Glu Asp Pro Gly Thr Thr Pro Pro Gly
91 145                     150                     155                     160
94 His Ser Val Pro Val Pro Ala Thr Glu Leu Gly Ser Thr Glu Leu Val
95                      165                     170                     175
98 Thr Thr Lys Thr Ala Gly Pro Glu Gln Gln
99                      180                     185

```

102 &lt;210&gt; SEQ ID NO: 2

103 &lt;211&gt; LENGTH: 321

104 &lt;212&gt; TYPE: PRT

105 &lt;213&gt; ORGANISM: Homo sapiens

107 &lt;220&gt; FEATURE:

108 &lt;221&gt; NAME/KEY: MISC\_FEATURE

109 &lt;222&gt; LOCATION: (41)..(41)

110 &lt;223&gt; OTHER INFORMATION: Valine, aspragine, or another amino acid

113 &lt;220&gt; FEATURE:

114 &lt;221&gt; NAME/KEY: MISC\_FEATURE

115 &lt;222&gt; LOCATION: (48)..(48)

116 &lt;223&gt; OTHER INFORMATION: Lysine (wild type), proline, or another amino acid

119 &lt;220&gt; FEATURE:

120 &lt;221&gt; NAME/KEY: MISC\_FEATURE

121 &lt;222&gt; LOCATION: (67)..(67)

122 &lt;223&gt; OTHER INFORMATION: none, any amino acid, or alanine

125 &lt;400&gt; SEQUENCE: 2

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127 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
128 1                      5                      10                      15
131 Gly Ser Thr Gly Asp Val Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg
132                      20                      25                      30
W--> 135 Asp Ala Pro Ala Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa
136                      35                      40                      45
139 Leu Val Arg His Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro
140                      50                      55                      60
W--> 143 Lys Pro Xaa Ala Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln
144 65                      70                      75                      80
147 Pro Gln Glu Ser Val Gly Ala Gly Ala Gly Glu Ala Ala Val Asp Lys
148                      85                      90                      95
151 Thr His Thr Ser Pro Pro Ser Pro Ala Pro Glu Leu Leu Gly Gly Pro
152                      100                     105                     110
155 Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
156                      115                     120                     125

```

## RAW SEQUENCE LISTING

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:40

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

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159 Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
160      130      135      140
163 Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
164 145      150      155      160
167 Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
168      165      170      175
171 Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
172      180      185      190
175 Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
176      195      200      205
179 Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
180      210      215      220
183 Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr
184 225      230      235      240
187 Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
188      245      250      255
191 Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
192      260      265      270
195 Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
196      275      280      285
199 Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
200      290      295      300
203 Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
204 305      310      315      320
207 Lys

```

211 &lt;210&gt; SEQ ID NO: 3

212 &lt;211&gt; LENGTH: 175

213 &lt;212&gt; TYPE: PRT

214 &lt;213&gt; ORGANISM: Mus musculus

216 &lt;400&gt; SEQUENCE: 3

```

218 Met Gly Ala Arg Arg Leu Arg Val Arg Ser Gln Arg Ser Arg Asp Ser
219 1      5      10      15
222 Ser Val Pro Thr Gln Cys Asn Gln Thr Glu Cys Phe Asp Pro Leu Val
223      20      25      30
226 Arg Asn Cys Val Ser Cys Glu Leu Phe His Thr Pro Asp Thr Gly His
227      35      40      45
230 Thr Ser Ser Leu Glu Pro Gly Thr Ala Leu Gln Pro Gln Glu Gly Ser
231      50      55      60
234 Ala Leu Arg Pro Asp Val Ala Leu Leu Val Gly Ala Pro Ala Leu Leu
235 65      70      75      80
238 Gly Leu Ile Leu Ala Leu Thr Leu Val Gly Leu Val Ser Leu Val Ser
239      85      90      95
242 Trp Arg Trp Arg Gln Gln Leu Arg Thr Ala Ser Pro Asp Thr Ser Glu
243      100      105      110
246 Gly Val Gln Gln Glu Ser Leu Glu Asn Val Phe Val Pro Ser Ser Glu
247      115      120      125
250 Thr Pro His Ala Ser Ala Pro Thr Trp Pro Pro Leu Lys Glu Asp Ala
251      130      135      140
254 Asp Ser Ala Leu Pro Arg His Ser Val Pro Val Pro Ala Thr Glu Leu

```

## RAW SEQUENCE LISTING

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:40

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

```

255 145          150          155          160
258 Gly Ser Thr Glu Leu Val Thr Thr Lys Thr Ala Gly Pro Glu Gln
259          165          170          175
262 <210> SEQ ID NO: 4
263 <211> LENGTH: 316
264 <212> TYPE: PRT
265 <213> ORGANISM: Mus musculus
267 <400> SEQUENCE: 4
269 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
270 1          5          10          15
273 Gly Ser Thr Gly Asp Val Gly Ala Arg Arg Leu Arg Val Arg Ser Gln
274          20          25          30
277 Arg Ser Arg Asp Ser Ser Val Pro Thr Gln Cys Asn Gln Thr Glu Cys
278          35          40          45
281 Phe Asp Pro Leu Val Arg Asn Cys Val Ser Cys Glu Leu Phe His Thr
282          50          55          60
285 Pro Asp Thr Gly His Thr Ser Ser Leu Glu Pro Gly Thr Ala Leu Gln
286 65          70          75          80
289 Pro Gln Glu Gly Ser Ala Leu Val Asp Val Pro Arg Asp Cys Gly Cys
290          85          90          95
293 Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe
294          100          105          110
297 Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val
298          115          120          125
301 Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe
302          130          135          140
305 Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro
306 145          150          155          160
309 Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro
310          165          170          175
313 Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val
314          180          185          190
317 Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr
318          195          200          205
321 Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys
322          210          215          220
325 Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp
326 225          230          235          240
329 Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro
330          245          250          255
333 Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser
334          260          265          270
337 Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala
338          275          280          285
341 Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly Leu His Asn His
342          290          295          300
345 His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys
346 305          310          315
349 <210> SEQ ID NO: 5

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## RAW SEQUENCE LISTING

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:40

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

350 &lt;211&gt; LENGTH: 11

351 &lt;212&gt; TYPE: PRT

352 &lt;213&gt; ORGANISM: Artificial Sequence

354 &lt;220&gt; FEATURE:

355 &lt;223&gt; OTHER INFORMATION: Description of Artificial sequence: Synthetic Peptide

357 &lt;400&gt; SEQUENCE: 5

359 Cys His Trp Asp Leu Leu Arg His Trp Val Cys

360 1 5 10

363 &lt;210&gt; SEQ ID NO: 6

364 &lt;211&gt; LENGTH: 7

365 &lt;212&gt; TYPE: PRT

366 &lt;213&gt; ORGANISM: Homo sapiens

368 &lt;400&gt; SEQUENCE: 6

370 Ser Ser Pro Ala Pro Arg Thr

371 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/576,527

DATE: 05/01/2006  
TIME: 10:50:41

Input Set : N:\DA\pto.da.txt  
Output Set: N:\CRF4\05012006\J576527.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 2, 21, 28, 47  
Seq#:2; Xaa Pos. 41, 48, 67

## VERIFICATION SUMMARY

DATE: 05/01/2006

PATENT APPLICATION: US/10/576,527

TIME: 10:50:41

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\05012006\J576527.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32  
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64